

LA-UR-21-23503

Approved for public release; distribution is unlimited.

Title: Enhanced dissipation of geostrophic balanced energy due to inertial

waves

Author(s): Daniel, Don

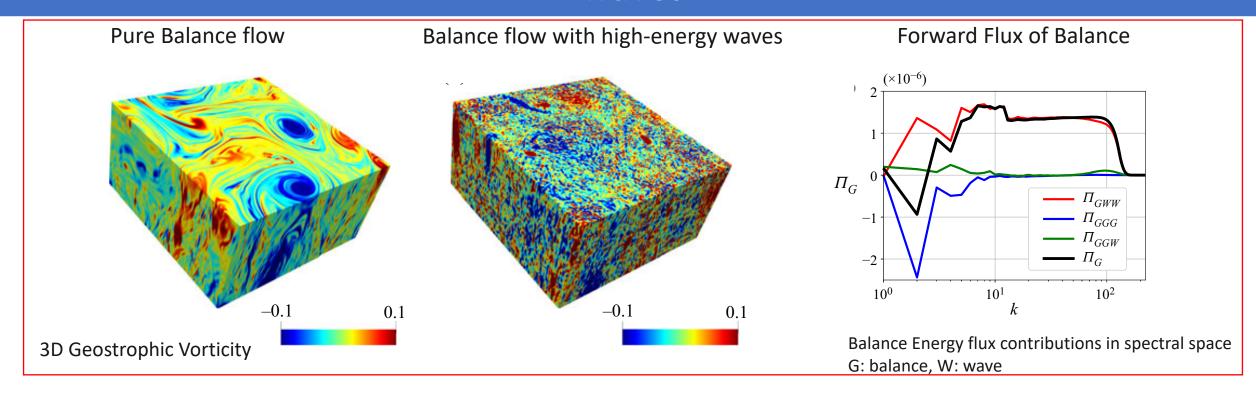
Thomas, Jim

Intended for: HPC Institutional Computing Viewgraph

Issued: 2021-04-13



Enhanced dissipation of geostrophic balanced energy due to inertial waves



Prominent mechanisms suggested for dissipating balanced energy in the world's oceans require balanced flow to encounter different forms of boundaries. In contrast, the wave-induced dissipation of balanced energy is an attractive mechanism that could dissipate balanced energy in the interior parts of the oceans and away from all forms of boundaries.

For more info., contact Don Daniel (XCP-4) ddaniel@lanl.gov

Thomas, J.; Daniel, D. Forward Flux and Enhanced Dissipation of Geostrophic Balanced Energy. Journal of Fluid Mechanics **2021**, 911, A60.